

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Attorney Docket No.: 49931-0080

Applicant(s) Edward W. MERRILL et al.

Confirmation No.: 6478

App. No.: 10/696,709

Examiner: S. Berman

Filing Date: August 30, 2003

Group Art Unit: 1711

Title: RADIATION AND MELT TREATED ULTRA HIGH MOLECULAR WEIGHT  
POLYETHYLENE PROSTHETIC DEVICES

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.56 and 37 CFR §1.97**

United States Patent and Trademark Office  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir:

Submitted herewith on Form PTO/SB/08A is a listing of documents known to applicants in order to comply with applicants' duty of disclosure pursuant to 37 C.F.R. §1.56 and §1.97. A copy of each of the listed documents are being submitted to comply with the provisions of 37 C.F.R. §1.97-1.99.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or is considered to be material to patentability as defined in 37 C.F.R. §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* prior art reference against the claims of the present application.

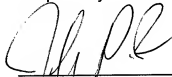
Applicants believe that the instant Information Disclosure Statement is being filed after the mailing of a first Office action on the merits but before the mailing date of either (1) a final action under §1.113; (2) a notice of allowance under §1.311; or (3) an

action that otherwise closes prosecution in the application. The Commissioner is hereby authorized to charge the required fee in the amount of \$180.00 in accordance with 37 CFR §1.17(p) to Deposit Account No. 50-3840.

English translations of the foreign-language documents may not be readily available; however, the absence of such translations does not relieve the PTO from its duty to consider the submitted documents (37 CFR §1.98 and MPEP §609).

Applicants respectfully request that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08A be returned in accordance with M.P.E.P. §609.

Respectfully submitted,



John P. Isacson  
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July 27, 2007

Date

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LIST OF REFERENCES CITED  
BY APPLICANT(S)

Date Submitted: July 27, 2007

ATTY DOCKET NO.  
49931-0080APPLICATION NO.  
10/696,709APPLICANT(S)  
Edward W. MERRILL et al.FILING DATE  
October 30, 2003GROUP  
1711

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE (M/D/Y)	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	C01	5,874,123	2/23/99	Park	427	2.24	
	C02	4,281,420	8/4/81	Raab	3	1.912	
	C03	5,019,105	5/28/91	Wiley	623	22	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE (M/D/Y)	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	C04		RÖMPP CHEMIE LEXIKON 3760-3766 (German)
	C05		RÖMPP CHEMIE LEXIKON 3760-3766 (English translation)
	C06		Encyclopedia of Material Technology 776-785 (German)
	C07		Encyclopedia of Material Technology 776-785 (English translation)
	C09	Bhateja et al.	Polymer Journal 21(9): 739-750 (1989)
	C09	Bhateja et al.	J. Macromol. Sci. - Phys. B29(1): 1-10 (1990)
	C10	Bhateja et al.	J.M.S. - Rev. Macromol. Chem. Phys. C35(4): 581-659 (1995)
	C14	Hsieh et al.	Journal of Applied Polymer Science 53(3): 347-354 (2003) (Abstract)
	C10	Jones et al.	Wear 70: 77-92 (1981)
	C10	Kanig	Colloid & Polymer Sci. 260: 356-377 (1982) (German)
	C14	Kanig	Colloid & Polymer Sci. 260: 356-377 (1982) (English translation)
	C15	Lue	Effects of Gamma Irradiation and Post Heat-Treatments on the Structure and Mechanical Properties of Ultra High Molecular Weight Polyethylene (UHMW-PE)
	C19	Sakai et al.	Polymer 34(16): 3362-3367 (1993)
	C14	Sun et al.	Polymer Engineering and Science 29(21): 1503-1510 (2004) (Abstract)
	C14	Wang et al.	Journal of Applied Polymer Science 34: 593-599 (1987)
	C19	Wikiewicz et al.	Journal of Biomedical Materials Research 33(2): 73-82 (1998) (Abstract)

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.